

IN THE CLAIMS

1. An archery bow, comprising:
 - a. a riser portion with an upper end and a lower end;
 - b. a pair of bow limb members wherein each bow limb member is formed from fibers and resin, and has a longitudinal length, a butt section, a hinge section and a tip section;
 - c. wherein the butt section of one bow limb member is attached to said upper and lower ends of said riser respectively;
 - d. upper and lower rotational members mounted respectively to said tip sections of said upper and lower bow limb members;
 - e. a bowstring extending between said upper and lower rotational members; and,
 - f. a substantially longitudinal protruding rib portion defined in a face of the hinge section of each bow limb member.
2. The archery bow of claim 1, wherein each bow limb member is formed with a substantially constant glass fiber to resin ratio in said butt section, said hinge section with said rib portion and said tip section.
3. The archery bow of claim 1, wherein each said rib portion has a substantially elliptical profile.
4. The archery bow of claim 1, wherein each said rib portion has a substantially rectangular profile.
5. An archery bow limb, comprising, a longitudinal bow limb member for an archery bow having a length, a butt section, a hinge section and a tip section; and a protruding rib portion.

6. The bow limb of claim 5, wherein said rib portion is defined in said hinge section.
7. The bow limb of claim 6, wherein said rib portion is substantially longitudinal.
8. The bow limb of claim 7, wherein said rib portion is integrally formed with said limb.
9. The bow limb of claim 8, wherein said rib portion has a substantially elliptical profile.
10. The bow limb of claim 8, wherein said rib portion has a substantially rectangular profile.
11. The bow limb of claim 7, wherein said rib portion protrudes from the front face of said limb.
12. The bow limb of claim 11, wherein said rib portion has tapered edges from the rib portion into said limb.
13. The bow limb of claim 12, wherein said rib portion is convex outward from said limb.
14. The bow limb of claim 13, wherein said rib portion has a middle apex area.
15. The bow limb of claim 11, wherein said limb defines front corner edges radiused along their length.
16. An archery bow limb, comprising, a bow limb member for an archery bow, having a longitudinal length, a butt section, a hinge section and a tip section; a protruding rib portion defined in said hinge section; and wherein said bow limb member is formed with a substantially constant cross-sectional area in said butt section, said hinge section and said tip section.
17. The archery bow limb of claim 16, wherein said tip section is formed with a partial height area defining an area to be ground to form tip portions for supporting the axle of a rotational member.
18. The archery bow limb of claim 16, wherein said bow limb is formed from glass fibers and resin.

19. The bow limb of claim 18, wherein said rib portion is substantially longitudinal.

20. The bow limb of claim 19, wherein said rib portion has tapered edges from the rib portion into said limb.

21. The bow limb of claim 20, wherein said rib portion has a substantially elliptical profile.

22. The bow limb of claim 20, wherein said rib portion has a substantially rectangular profile.

23. The bow limb of claim 19, wherein said rib portion increases the sectional modulus of said hinge portion of said limb.

24-35. (Cancelled)